PITTSBURGH AUTOMOTIVE

Steering Wheel Removal Set

Item 68982

INSTRUCTIONS & PRECAUTIONS

Visit our website at: http://www.harborfreight.com

⚠WARNING

Read this material before using this product. Failure to do so can result in serious injury. SAVE THIS MANUAL.

When unpacking, make sure that the product is intact and undamaged. If any parts are missing or broken, please call 1-800-444-3353 as soon as possible.

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For technical questions or replacement parts, please call 1-800-444-3353.

Specifications

Cap Screws (2 each)	3-1/2" L, 3/8" - 16 TPI 3-1/2" L, 5/16" - 24 TPI 3-1/2" L, M8 x 1.25
Steering Wheel Bolts (2)	4" L, 5/16" - 18 TPI
Snap Ring Bolts (1 each)	M14 x 1.5 9/16" x 18 TPI (internal)
Included	Molded Carrying Case

IMPORTANT SAFETY INFORMATION

1. To prevent serious injury from explosion, carefully follow service instructions to disable airbag before use.
2. Assemble and use only according to these instructions. Improper assembly and usage can create hazards.
3. Wear ANSI-approved safety goggles and heavy-duty work gloves during use.
4. Use as intended only.
5. Use only according to vehicle service instructions.
6. Inspect before use; do not use if damaged.
7. Keep away from children.
8. Disconnect ground lead from vehicle battery before using Steering Wheel Remover.
9. Do not use when tired or when under the influence of drugs or medication.
10. Maintain product labels and nameplates. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.

Operation Instructions

Read the ENTIRE IMPORTANT SAFETY INFORMATION section at the beginning of this document before set up or use of this product.

⚠WARNING

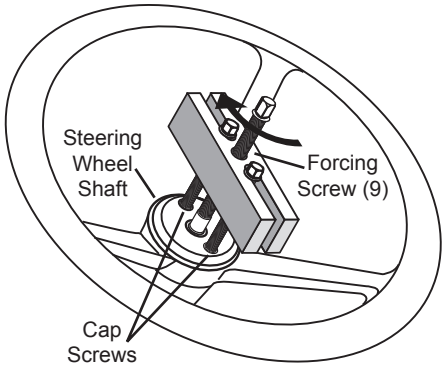
TO PREVENT SERIOUS INJURY FROM EXPLOSION:
Carefully follow service instructions to disable airbag before working near steering wheel or steering column.

Steering Wheel Removal

The Steering Wheel Remover is designed to remove the steering wheels of most domestic and imported vehicles. Three separate Cap Screw (1, 2 and 3) sets and one set of Steering Wheel Bolts (4) are used with the Forcing Screw (9). The following instructions apply to most standard vehicles, however consult your vehicle owner's manual for specific instructions for your vehicle.

To Remove a Steering Wheel

1. Set the vehicle transmission to park (neutral if vehicle is a manual transmission), point the wheels straight ahead, turn the engine off and set the emergency brake.
2. Disconnect the ground lead from the battery.
3. Carefully remove any molding, horn or air bag assembly following your vehicle manufacturer's instructions until you can access the shaft nut holding the steering wheel hub assembly and the steering shaft.
4. Draw a line with a marker (sold separately) at the 12 o'clock position on the shaft and the steering wheel so you can align the steering wheel when reinstalling it.
5. Remove the shaft nut with a wrench (sold separately).
6. Locate the threaded holes in the steering wheel hub assembly and select the Cap Screw (1, 2 or 3) set that fits the threads.
7. Place the Forcing Screw (9) over the center of the wheel.
8. Slide the Cap Screws through each end of the Forcing Screw bar and thread them into the threaded holes in the wheel.
9. Using a wrench (sold separately), slowly turn the center bolt clockwise, forcing the steering wheel off the shaft.



Snap Ring Removal

The Lock Plate Attachment is used to compress the steering wheel lock plate while the snap ring is removed/installed.

To Remove Snap Ring and Lock Plate

1. Remove the Steering Wheel following the previous instructions for this kit.
2. Select the appropriate Jack Bolt (5 or 6) for your vehicle and thread onto the steering shaft until secure.
3. Place the Lock Plate Attachment (10) then the Washer (7) over the Jack Bolt.
4. Thread the Nut (11) onto the Jack Bolt and turn clockwise using a wrench (sold separately) to hold down the lock plate and allow the snap ring to be removed.
5. Remove the Jack Bolt.

To Install Snap Ring and Lock Plate

1. Position the lock plate over the steering shaft.
2. Select the appropriate Jack Bolt (5 or 6) for your vehicle and slide the snap ring onto it.
3. Thread the Jack Bolt onto the steering shaft, then place the Lock Plate Attachment (10) then the Washer (7) over the Jack Bolt.
4. Thread the Nut (11) onto the Jack Bolt and turn clockwise using a wrench (sold separately) until the snap ring can be slipped down over the beveled end of the center post screw and into the shaft's groove.
5. Remove the Jack Bolt.

Note: The Steering Wheel Lock Plate Attachment can also be used to access the turn signal switch and airbag modules on certain GM® vehicles. Consult your vehicle manufacturer for instructions for your vehicle.

WARNING! Reenable airbag system after service according to service instructions.

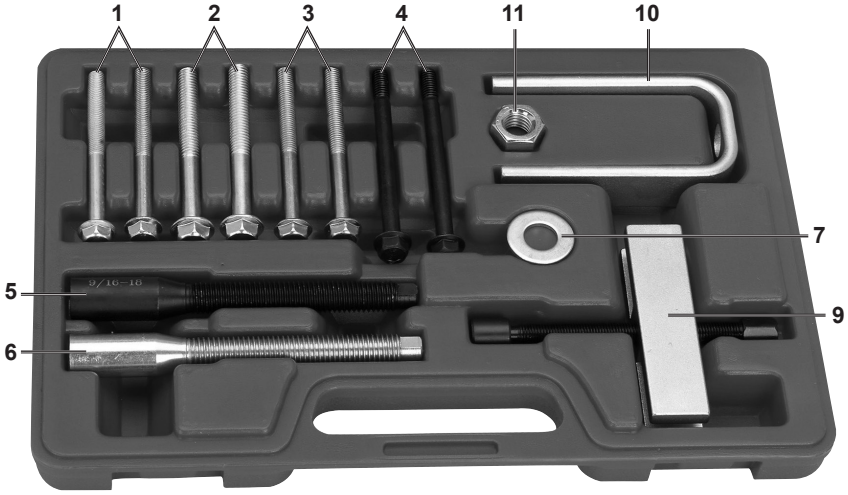
Maintenance

1. **Before each use,** inspect the general condition of the tool. Check for cracked or broken parts and any other condition that may affect its safe operation. If damaged, have corrected before further use. **Do not use damaged equipment.**
2. Coat all parts with a light oil to prevent rust, then store them in the case, in a clean, dry location.

Parts List and Assembly Diagram

Part	Description	Qty
1	Cap Screw 3-1/2" L, 3/8"-16 TPI	2
2	Cap Screw 3-1/2" L, 5/16"-24 TPI	2
3	Cap Screw 3-1/2" L, M8 x 1.25	2
4	Steering Wheel Bolt 4" L, 5/16"-18 TPI	2
5	Snap Ring Bolt M14 x 1.5	1

Part	Description	Qty
6	Snap Ring Bolt 9/16" x 18 TPI (internal)	1
7	Washer	1
8	Carrying Case	1
9	Forcing Screw	1
10	Lock Plate Attachment	1
11	Nut	1



Record Serial Number Here: _____

Note: If product has no serial number, record month and year of purchase instead.

Note: Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts.

PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS DOCUMENT AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

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